



MPH SERIES

Horizontal Membrane Protection housings

- ASME Design
- Universal
- Equivalent of Parker Fulflo MP housings.

Multi-purpose industrial ASME "U" & "UM" code housings.



SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment



Certified to
NSF/ANSI/CAN 61

MEDIA

Accepts multiple 30" or 40" cartridges.
Multi-purpose filter seat cups accept industry standard double open end and 222 style cartridges.

DESIGN PRESSURE

150psig (10.3bar) @ 250°F(121.1°C) design pressure.

AVAILABLE MATERIALS

Stainless Steel 304 or 316, C276, AL6XN, 2205 & Monel 400 also available.

**All materials are in compliance with NSF 61 standards, except for carbon steel.*

ADDITIONAL FEATURES

Bead blasted exterior and passivated interior/exterior surfaces to help prevent corrosion.
Swing bolt closure allows for quick element change out.
Stainless steel 304 bolting and davit standard.
Includes removable internal cartridge support plate.

Custom sizes, configurations, materials of construction and other options may be available. Please contact Fil-Trek

For drawings, flow charts, custom applications and filter cartridge information please visit Fil-Trek.com

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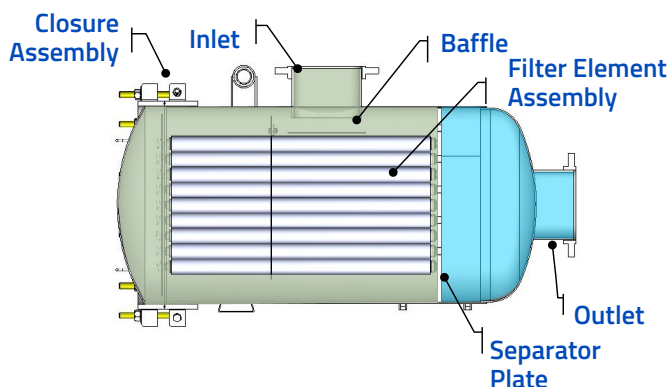
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HOUSING SPECIFICATIONS

*Indicates standard configuration

Inlet/Outlet	3" Flange - 22" Flange*
Dirty Drain	2" NPT*
Clean Drain	2" NPT*
Vent	½" NPT*
Gauges	½" NPT*
Certifications	U, UM, CE, NB, CRN



MODEL FLOW RATES

MODEL	# OF FILTERS 2.5"	FLOW RATE GPM 2.5"	MAX INLET/ OUTLET
MPH12-4-3F	12	240	4"
MPH14-4-3F	14	280	4"
MPH17-4-4F	17	340	4"
MPH20-4-6F	20	400	6"
MPH29-4-6F	29	580	6"
MPH34-4-6/8F	34	680	6"
MPH40-4-8F	40	800	8"
MPH52-4-8F	52	1040	8"
MPH062-4-8F	62	1240	8"
MPH70-4-8/10F	70	1400	10"
MPH86-4-10F	86	1720	10"
MPH103-4-10F	103	2060	10"
MPH110-4-10F	110	2200	12"
MPH118-4-12F	118	2520	12"
MPH140-4-12F	140	2800	14"
MPH150-4-14F	150	3000	14"
MPH176-4-16F	176	3560	14"
MPH190-4-16F	190	3800	16"
MPH205-4-16F	205	4100	16"
MPH225-4-16F	225	4500	16"
MPH245-4-18F	245	4900	18"
MPH290-4-18F	290	5800	18"
MPH316-4-18F	316	6320	18"

Flow rates based on water at 5gpm/10" (Assuming 40" Cartridges). Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

MATERIAL OF CONSTRUCTION

MATERIAL OF CONSTRUCTION	MAX. OPERATING PRESSURE	MAX. DESIGN TEMP
304 Stainless Steel	150 psi (10.3bar)	250 °F (121.1 °C)
316 Stainless Steel	150 psi (10.3bar)	250 °F (121.1 °C)

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HOUSING OPTIONS

*Indicates standard configuration

Configuration Options (-) E - Top In/End Out*
C - Side In/End Out

Finish Options (-) – Bead Blast*
(-) – Passivation*
EP1 – Electro polish Inside/Outside
EP2 – Inside only
EP3 – Outside only

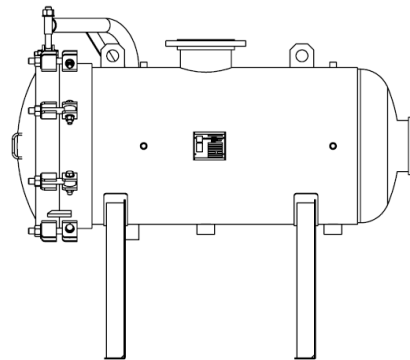
O-Ring Options (-) – Buna-N*
ED – EPDM
VI – Viton
SI – Silicone
TEV – Teflon encapsulated Viton
TF – Teflon

Head Lift Options (-) Mechanical Davit (std for MPH12 and larger)*
(-) Hydraulic Davit (std for MPH40 and larger)*
K3 – Hydraulic Jack Davit Side
K4 – Hydraulic Jack Davit Top
*Other head lift options available

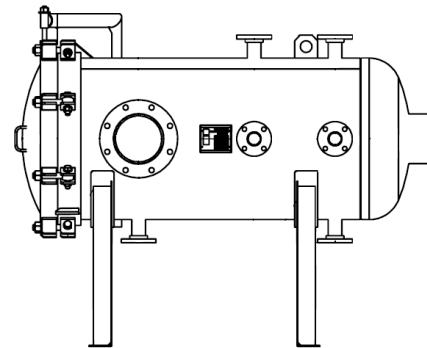
Filter Configuration E1 – Double Open End (std)*
E2 –DOE with Gasket Ends
E3 –DOE with 1" Ext. Core
E4 – SOE Flat End 222 Open End
E5 – SOE Fin End 222 Open End
E8 – SOE Plastic Spring Top 222
E9 – SOE Plastic Spring Top

Accessories Direct Reading Gauge
DP Gauge
Safety Relief Valves
Vent Valves
Drain Valves
Air Eliminator

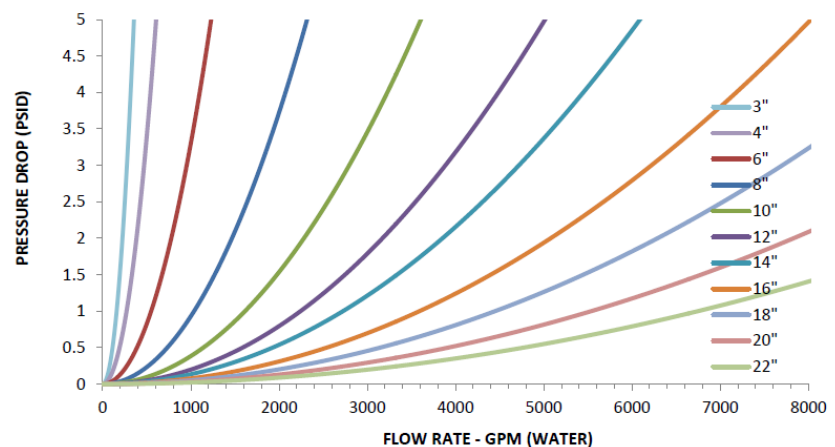
E Style E - Top Entry / Back Out



C Style C - Side in / Back Out



FLOW CHART



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MODEL DIMENSIONAL DETAILS

MODEL	SHIPPING WEIGHT (LBS)	A	B	C	D	E	F
MPH12-4-3F	250	12½"	46"	36"	26"	61"	65"
MPH14-4-3F	300	13½"	47"	36"	26"	61"	65"
MPH17-4-4F	365	14½"	48"	36"	28"	61"	65"
MPH20-4-6F	425	16½"	49"	36"	28"	61"	65"
MPH29-4-6F	500	18½"	50"	36"	28"	64"	68"
MPH34-4-6/8F	600	20½"	52"	36"	28"	64"	68"
MPH40-4-8F	900	22½"	53"	36"	28"	64"	68"
MPH52-4-8F	975	24½"	54"	36"	36"	66"	70"
MPH062-4-8F	1100	26½"	55"	36"	36"	66"	70"
MPH70-4-8/10F	1400	28½"	56"	36"	36"	66"	70"
MPH86-4-10F	1600	30½"	56"	36"	38"	70"	74"
MPH103-4-10F	1750	32½"	58"	36"	38"	78"	82"
MPH110-4-10F	2100	34½"	60"	36"	38"	78"	82"
MPH118-4-12F	2700	36½"	62"	36"	38"	78"	82"
MPH140-4-12F	2900	38½"	64"	36"	46"	79"	83"
MPH150-4-14F	3300	40½"	64"	36"	46"	79"	83"
MPH176-4-16F	4100	42½"	65"	36"	46"	79"	83"
MPH190-4-16F	4500	44½"	65"	36"	46"	79"	83"
MPH205-4-16F	4900	46¾"	67"	36"	46"	79"	83"
MPH225-4-16F	5500	48¾"	68"	36"	46"	80"	84"
MPH245-4-18F	6000	50¾"	70"	36"	46"	80"	84"
MPH290-4-18F	6250	54¾"	78"	42"	50"	87"	91"
MPH316-4-18F	6500	56¾"	78"	42"	50"	87"	91"

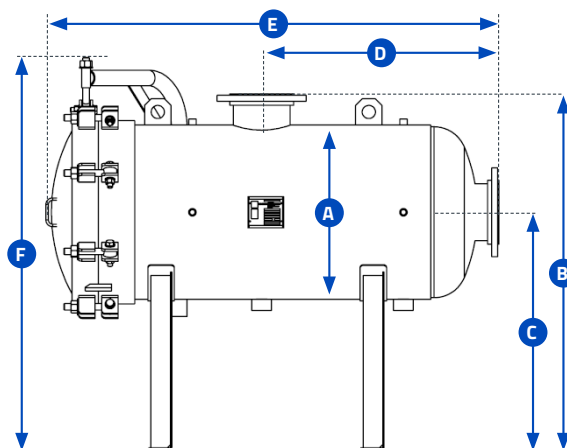
NOTE: Above dimensions are for Style E For other options contact factory.

CHART LEGEND

- A** OUTSIDE DIAMETER
- B** FLOOR TO INLET
- C** FLOOR TO OUTLET
- D** FACE TO FACE
- E** OVERALL LENGTH
- F** OVERALL HEIGHT

E Top In/End Out*

Side View



PRODUCT NOMENCLATURE

L4	MPH	20	4	6F	-
MATERIAL	MODEL	# OF FILTERS	LENGTH	CONNECTION TYPE	OPTIONS
L4 - SS304 L6 - SS316	MPH - ASME CODE	See Table	30 40	See Table	See Housing Options for more options